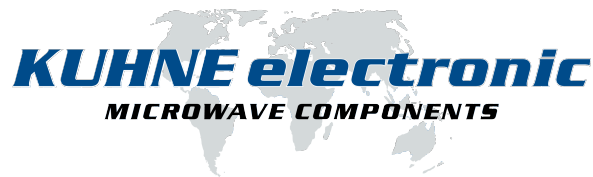


From: **Kuhne electronic** m.gruener@kuhne-electronic.de  
Subject: New Contest Season - New Products  
Date: 16 February 2017 at 12.01  
To: claus.felby@gmail.com

KE

Wird diese Nachricht nicht richtig dargestellt, klicken Sie bitte [hier](#).



## New Contest Season - New Products

Soon it will be spring again...

... we hope you have done well in the winter and are already looking forward to the contest time! In this newsletter we will introduce you our newest ham radio products. Maybe you need one or the other module to complete your contest equipment.

We wish you a lot of fun and a successful contest season!



### Local Oscillator for all amateur radio bands from 4m till 6mm.

Use the same oscillator for different frequencies. With our new MKU LO 8-13 PLL you don't have to change the oscillator modules in the frequencies from 8400 ... 13600 MHz (main output) and 54...6850 MHz (auxiliary output).

Use it also as Beacon transmitter.

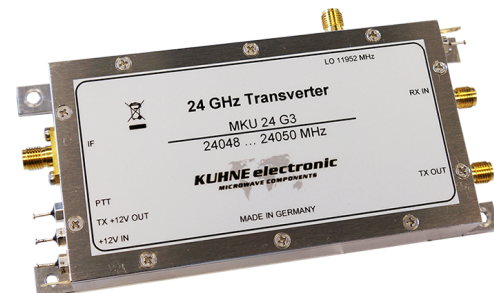
[See more](#)



### Transverter module with built-in 2W Power Amplifier

The new design of our transverter for 24 GHz features better performance and many new functions. New features and a built-in 2W amplifier are just two reasons to buy our MKU 24 G3 for 1.2 cm.

[See more](#)



## Dream Team for 47 GHz

Due to its small mechanical dimensions, the power amplifier MKU PA 6MM-1W A can be used together with our transverter MKU 47 G2 for building a very compact 47 GHz station with more than 500 mW of output power. We offer also 47 GHz Waveguide Flanges for R500 / WR19 / WG24 and 47 GHz waveguide R500 / WR19 / WG24 to make your 47 GHz station complete.



Transverter



Power Amplifier



Waveguide

## 4th generation transverter modules

Our transverter modules evolved into the 4th generation. For 13cm and 3cm we offer you our MKU 23 G4 and the MKU 10 G4. New designs as well as a lot of new features have been integrated.



[See all transverter](#)

## Are you as much excited as we are about the Es'hailSat?



Qatar's Es'hail 2 satellite will provide the first amateur radio geostationary communications that could link amateurs from Brazil to Thailand. The satellite is expected to launch in the 3rd quarter of 2017 and will be positioned at 25.5 degrees East.

Es'hail 2 will carry two "Phase 4" amateur radio transponders operating in the 2400 MHz and 10450 MHz bands. A 250 kHz bandwidth linear transponder intended for conventional analogue operations and an 8 MHz bandwidth transponder for experimental digital modulation schemes and DVR amateur television.

transponder for experimental digital modulation schemes and FSK antenna systems.  
At the moment we are working on an Up- and Down-Converter for this application:



#### OSCAR Phase 4 UP-Converter

- 144 MHz -> 2.4 GHz
- 20 W output power
- Stand-alone device
- Fully remotely controllable
- Numerous protection circuits

#### OSCAR Phase 4 Down-Converter

- Low Noise down converter with feed horn
- 10.4 GHz -> 432 MHz
- No frequency drift due to TCXO
- Mountable with standard LNB peg

**Coming soon!**



Wenn Sie diese E-Mail (an: [claus.felby@gmail.com](mailto:claus.felby@gmail.com)) nicht mehr empfangen möchten, können Sie diese [hier](#) kosten abbestellen.

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